

INPUT SET: S15763.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING
ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: ANDERSON, Darrell R.
6 HANNA, Nabil
7 BRAMS, Peter
8
9 (ii) TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING
10 INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7.1
11 AND B7.2 CO-STIMULATORY ANTIGENS
12
13 (iii) NUMBER OF SEQUENCES: 6
14
15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
17 (B) STREET: P.O. Box 1404
18 (C) CITY: Alexandria
19 (D) STATE: Virginia
20 (E) COUNTRY: United States
21 (F) ZIP: 22313-1404
22
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER: US 08/746,361
31 (B) FILING DATE: 08-NOV-1996
32 (C) CLASSIFICATION:
33
34 (vii) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: US 08/487,550
36 (B) FILING DATE: 07-JUN-1995
37
38 (viii) ATTORNEY/AGENT INFORMATION:
39 (A) NAME: Teskin, Robin L.
40 (B) REGISTRATION NUMBER: 35,030
41 (C) REFERENCE/DOCKET NUMBER: 012712-256
42
43 (ix) TELECOMMUNICATION INFORMATION:
44 (A) TELEPHONE: (703) 836-6620
45 (B) TELEFAX: (703) 836-2021
46

INPUT SET: S15763.raw

47
48 (2) INFORMATION FOR SEQ ID NO:1:
49
50 (i) SEQUENCE CHARACTERISTICS:
51 (A) LENGTH: 705 base pairs
52 (B) TYPE: nucleic acid
53 (C) STRANDEDNESS: single
54 (D) TOPOLOGY: linear
55
56 (ii) MOLECULE TYPE: DNA (genomic)
57
58 (ix) FEATURE:
59 (A) NAME/KEY: CDS
60 (B) LOCATION: 1..705
61
62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
63
64 ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC TGG CTC CCA 48
65 Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp Leu Pro
66 1 5 10 15
67
68 GGT GCA CGA TGT GCC TAT GAA CTG ACT CAG CCA CCC TCG GTG TCA GTG 96
69 Gly Ala Arg Cys Ala Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val
70 20 25 30
71
72 TCC CCA GGA CAG ACG GCC AGG ATC ACC TGT GGG GGA GAC AAC AGT AGA 144
73 Ser Pro Gly Gln Thr Ala Arg Ile Thr Cys Gly Asp Asn Ser Arg
74 35 40 45
75
76 AAT GAA TAT GTC CAC TGG TAC CAG CAG AAG CCA GCG CGG GCC CCT ATA 192
77 Asn Glu Tyr Val His Trp Tyr Gln Gln Lys Pro Ala Arg Ala Pro Ile
78 50 55 60
79
80 CTG GTC ATC TAT GAT GAT AGT GAC CGG CCC TCA GGG ATC CCT GAG CGA 240
81 Leu Val Ile Tyr Asp Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg
82 65 70 75 80
83
84 TTC TCT GGC TCC AAA TCA GGG AAC ACC GCC ACC CTG ACC ATC AAC GGG 288
85 Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Thr Leu Thr Ile Asn Gly
86 85 90 95
87
88 GTC GAG GCC GGG GAT GAG GCT GAC TAT TAC TGT CAG GTG TGG GAC AGG 336
89 Val Glu Ala Gly Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Arg
90 100 105 110
91
92 GCT AGT GAT CAT CCG GTC TTC GGA GGA GGG ACC CGG GTG ACC GTC CTA 384
93 Ala Ser Asp His Pro Val Phe Gly Gly Gly Thr Arg Val Thr Val Leu
94 115 120 125
95
96 GGT CAG CCC AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT 432
97 Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser
98 130 135 140
99

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/746,361DATE: 02/26/97
TIME: 14:40:30

INPUT SET: S15763.raw

100	GAG GAG CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC	480
101	Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp	
102	145 150 155 160	
103		
104	TTC TAC CCG GGA GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC	528
105	Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro	
106	165 170 175	
107		
108	GTC AAG GCG GGA GTG GAG ACC ACC ACA CCC TCC AAA CAA AGC AAC AAC	576
109	Val Lys Ala Gly Val Glu Thr Thr Pro Ser Lys Gln Ser Asn Asn	
110	180 185 190	
111		
112	AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAG TGG AAG	624
113	Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys	
114	195 200 205	
115		
116	TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGG AGC ACC GTG	672
117	Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val	
118	210 215 220	
119		
120	GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA	705
121	Glu Lys Thr Val Ala Pro Thr Glu Cys Ser *	
122	225 230 235	
123		
124		
125	(2) INFORMATION FOR SEQ ID NO:2:	
126		
127	(i) SEQUENCE CHARACTERISTICS:	
128	(A) LENGTH: 1431 base pairs	
129	(B) TYPE: nucleic acid	
130	(C) STRANDEDNESS: single	
131	(D) TOPOLOGY: linear	
132		
133	(ii) MOLECULE TYPE: DNA (genomic)	
134		
135	(ix) FEATURE:	
136	(A) NAME/KEY: CDS	
137	(B) LOCATION: 1..1431	
138		
139	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
140		
141	ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT CCC AGA TGG	48
142	Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp	
143	240 245 250	
144		
145	GTC CTG TCC GAG GTG AAG CTG CAG CAG TGG GGC GAA GGA CTT CTG CAG	96
146	Val Leu Ser Glu Val Lys Leu Gln Gln Trp Gly Glu Gly Leu Leu Gln	
147	255 260 265	
148		
149	CCT TCG GAG ACC CTG TCC CGC ACC TGC GTT GTC TCT GGT GGC TCC ATC	144
150	Pro Ser Glu Thr Leu Ser Arg Thr Cys Val Val Ser Gly Gly Ser Ile	
151	270 275 280	
152		

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/746,361DATE: 02/26/97
TIME: 14:40:33

INPUT SET: S15763.raw

153	AGC GGT TAC TAC TAC TGG ACC TGG ATC CGC CAG ACC CCA GGG AGG GGA	192
154	Ser Gly Tyr Tyr Tyr Trp Thr Trp Ile Arg Gln Thr Pro Gly Arg Gly	
155	285 290 295	
156		
157	CTG GAG TGG ATT GGC CAT ATT TAT GGT AAT GGT GCG ACC ACC AAC TAC	240
158	Leu Glu Trp Ile Gly His Ile Tyr Gly Asn Gly Ala Thr Thr Asn Tyr	
159	300 305 310 315	
160		
161	AAT CCC TCC CTC AAG AGT CGA GTC ACC ATT TCA AAA GAC ACG TCC AAG	288
162	Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Lys Asp Thr Ser Lys	
163	320 325 330	
164		
165	AAC CAG TTC TTC CTG AAC TTG AAT TCT GTG ACC GAC GCG GAC ACG GCC	336
166	Asn Gln Phe Phe Leu Asn Leu Asn Ser Val Thr Asp Ala Asp Thr Ala	
167	335 340 345	
168		
169	GTC TAT TAC TGT GCG AGA GGC CCT CGC CCT GAT TGC ACA ACC ATT TGT	384
170	Val Tyr Tyr Cys Ala Arg Gly Pro Arg Pro Asp Cys Thr Thr Ile Cys	
171	350 355 360	
172		
173	TAT GGC GGC TGG GTC GAT GTC TGG GGC CCG GGA GAC CTG GTC ACC GTC	432
174	Tyr Gly Gly Trp Val Asp Val Trp Gly Pro Gly Asp Leu Val Thr Val	
175	365 370 375	
176		
177	TCC TCA GCT AGC ACC AAG GGC CCA TCG GTC TTC CCC CTG GCA CCC TCC	480
178	Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser	
179	380 385 390 395	
180		
181	TCC AAG AGC ACC TCT GGG GGC ACA GCG GCC CTG GGC TGC CTG GTC AAG	528
182	Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys	
183	400 405 410	
184		
185	GAC TAC TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGC GCC CTG	576
186	Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu	
187	415 420 425	
188		
189	ACC AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA GGA CTC	624
190	Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu	
191	430 435 440	
192		
193	TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC ACC	672
194	Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr	
195	445 450 455	
196		
197	CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC AAC ACC AAG GTG	720
198	Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val	
199	460 465 470 475	
200		
201	GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC ACA TGC CCA	768
202	Asp Lys Lys Ala Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro	
203	480 485 490	
204		
205	CCG TGC CCA GCA CCT GAA CTC CTG GGG GGA CCG TCA GTC TTC CTC TTC	816

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/746,361DATE: 02/26/97
TIME: 14:40:37

INPUT SET: S15763.raw

206	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	
207					495				500					505			
208																	
209	CCC	CCA	AAA	CCC	AAG	GAC	ACC	CTC	ATG	ATC	TCC	CGG	ACC	CCT	GAG	GTC	864
210	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	
211					510				515				520				
212																	
213	ACA	TGC	GTG	GTG	GAC	GTG	AGC	CAC	GAA	GAC	CCT	GAG	GTC	AAG	TTC		912
214	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	
215					525			530				535					
216																	
217	AAC	TGG	TAC	GTG	GAC	GGC	GTG	GAG	GTG	CAT	AAT	GCC	AAG	ACA	AAG	CCG	960
218	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	
219					540			545			550			555			
220																	
221	CGG	GAG	CAG	TAC	AAC	AGC	ACG	TAC	CGT	GTG	GTC	AGC	GTC	CTC	ACC		1008
222	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	
223					560				565				570				
224																	
225	GTC	CTG	CAC	CAG	GAC	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	1056
226	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	
227					575				580				585				
228																	
229	TCC	AAC	AAA	GCC	CTC	CCA	GCC	CCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	1104
230	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	
231					590				595			600					
232																	
233	AAA	GGG	CAG	CCC	CGA	GAA	CCA	CAG	GTG	TAC	ACC	CTG	CCC	CCA	TCC	CGG	1152
234	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	
235					605				610			615					
236																	
237	GAT	GAG	CTG	ACC	AAG	AAC	CAG	GTC	AGC	CTG	ACC	TGC	CTG	GTC	AAA	GGC	1200
238	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	
239					620			625			630			635			
240																	
241	TTC	TAT	CCC	AGC	GAC	ATC	GCC	GTG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG	1248
242	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	
243					640				645			650					
244																	
245	GAG	AAC	AAC	TAC	AAG	ACC	ACG	CCT	CCC	GTG	CTG	GAC	TCC	GAC	GGC	TCC	1296
246	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	
247					655				660			665					
248																	
249	TTC	TTC	CTC	TAC	AGC	AAG	CTC	ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	CAG	1344
250	Phe	Phe	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln		
251					670			675			680						
252																	
253	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT	GAG	GCT	CTG	CAC	AAC	CAC	1392
254	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	
255					685			690			695						
256																	
257	TAC	ACG	CAG	AAG	AGC	CTC	TCC	CTG	TCT	CCG	GGT	AAA	TGA				1431
258	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys	*				

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/746,361

DATE: 02/26/97
TIME: 14:40:41

INPUT SET: S15763.raw

Line

Error

Original Text